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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,804	03/23/2004	Oliver W. Saunders		4395

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EXAMINER

HO, TAN

ART UNIT PAPER NUMBER

2821

DATE MAILED: 05/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/807,804

Applicant(s)

SAUNDERS, OLIVER W.

Examiner

Tan Ho

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-17 is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


TAN HO
PRIMARY EXAMINER

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Objections

1. Claims 1, 3, 9-13, 15-17 are objected to because of the following informalities:

- In claim 1, line 2, "a user terminal" should be changed to --the user terminal-- if it is the user terminal defined in line 1.

- In claim 1, lines 7, 9, and 12-15, the recitation "a standard size reflector" should be changed to --the standard size reflector-- if it is the standard size reflector in line 5.

- In claim 3, line 3, the recitation "a standard reflector" should be changed to --the standard size reflector-- if it is the standard size reflector in line 5, claim 1.

- In claim 9, line 2, the recitation "a standard size reflector" should be changed to --the standard size reflector-- if it is the standard size reflector in line 5, claim 1.

- In claim 10, lines 2-4, the recitation "a standard size reflector" should be changed to --the standard size reflector-- if it is the standard size reflector in line 5, claim 1.

- In claim 11, lines 2-5, the recitation "a standard size reflector" should be changed to --the standard size reflector-- if it is the standard size reflector in line 5, claim 1.

- In claim 12, line 3, the recitation "a standard size reflector" should be changed to --the standard size reflector-- if it is the standard size reflector in line 5, claim 1.

- In claim 13, line 2, the recitation "the control" should be changed to --the control means-- if it is the control means defined in claim 1, line 16.

- In claim 15, line 1, the recitation "a reflector" is not clear. Does applicant mean "the reflector device" defined in claim 1, line 1.

- In claim 16, lines 1 and 2, the recitation "a standard size reflector" and "a set of reflector extension" should be changed to --the standard size reflector-- and --the set of extensions-- respectively.

- Claim 17, "an existing standard size reflector" should be changed to --the standard size reflector-- if it is the standard size reflector in line 5, claim 1.

Appropriate correction is required.

2. This application is in condition for allowance except for the following formal matters:

The objection of the claims described above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable Subject Matter

Claims 1-17 are allowed.

None of the references teaches an expansible reflector device having a set of reflector extensions movable attached to a standard size reflector by a deployment means for extending and retracting, a sensing means for sensing quality of reception of satellite signals, and a programmable control means for activating the deployment means, the control means adapted for receiving signals from the sensing means and


further adapted for activating the deployment means to alternately extend and retract the set of reflector extensions based on quality of reception of satellite signals.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan Ho whose telephone number is (571) 272-1822. The examiner can normally be reached on M-F (8:00AM - 5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


TAN HO
PRIMARY EXAMINER